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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/992,984	11/05/2001	Michael Baentsch	CH920000018US1	7655

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EXAMINER

SON, LINH L D

ART UNIT PAPER NUMBER

2135

DATE MAILED: 05/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/992,984	<b>Applicant(s)</b> BAENTSCH ET AL.	
	<b>Examiner</b> Linh LD Son	<b>Art Unit</b> 2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 05 November 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

*[Handwritten signature]*

### DETAILED ACTION

1. This written action is responding to the application 09992984 filed on November 5<sup>th</sup>, 2001 with the priority date of November 6<sup>th</sup>, 2000.
2. Claims 1-19 are pending.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3, 7-14, and 17-19 are rejected under 35 U.S.C. 102(e) as being anticipated by SCHWABE et al, US Publication No. 2003/0028686A1, hereinafter "SCHWABE".
5. As per claims 1, 10, and 17, SCHWABE discloses " for language verification of a Java card CAP file created from an original Java code file, comprising: a) a conversion step for converting said Java card CAP file into a corresponding converted Java code file that is semantically identical to said Java card CAP file" in (Para 0029-0030, and 0043); and b) "a language-verification step for verifying said converted Java code file for compliance with Java language specifications" in (Para 0056, 0058, and 0075).

6. As per claims 2, 8, 11, 13, and 18, SCHWABE discloses “for language verification of a Java card CAP file according to Claims 1, 7, 10, 12, and 17, wherein said conversion step further comprises: a pre-conversion substep for converting Java card IDs contained in said Java card CAP file into symbolic names, and for converting said Java card CAP file into a standard Java format, to obtain a pre-converted file; and a mapping substep for replacing in said pre-converted file externally defined names with original names by using a mapping scheme between Java names and tokenized identifiers, to obtain the converted Java code file for said language-verification step” in (Para 0043-45 and Para 0050-51).

7. As per claims 3, 14, and 19, SCHWABE discloses “A method for language verification of a Java card CAP file according to Claims 2, 13, and 18, wherein said mapping substep is performed using a referenced Java export file which is available as a result of creating said Java card CAP file from said original Java code file” in (Para 0043-45 and 0049).

8. As per claims 7 and 12, SCHWABE discloses “A method for language verification of a reduced file derived from an original file, the reduced file conserving original semantics, said method comprising: a) a conversion step for converting said reduced file into a corresponding converted file that is semantically identical to said reduced file”

in (Para 0029-0030, and 0043); and b) "a language-verification step for verifying said converted file" in (Para 0056, 0058, and 0075).

9. As per claim 9, SCHWABE discloses "A method for language verification of a reduced file according to Claim 8, wherein said mapping substep is performed using a referenced difference file which is available as a result of deriving said reduced file from said original file" in (Para 0043-45, and 0056

### ***Claim Rejections - 35 USC § 103***

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 4-6, and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over SCHWABE in view of Levy et al, US Publication No. 2004/0068726A1, hereinafter "Levy".

12. As per claims 4, and 15, SCHWABE discloses "A method for language verification of a Java card CAP file according to Claims 1 and 12". However, SCHWABE is silent on "the method further comprising: c) a signature step for creating, after verification of said converted Java code file in said language verification step, a second cryptographic signature file". Nevertheless, Levy discloses the "Virtual Machine with securely

distributed bytecode verification" invention, which include a method of creating the signature for verification in (Para 0025). Therefore, it would have been obvious at the time of the invention was made for one having ordinary skill in the art to incorporate the method of Levy in to SCHWABE invention for use to authenticate the CAP file for authenticity.

13. As per claims 5 and 16, SCHWABE discloses "A method for language verification of a Java card CAP file according to Claims 4 and 15". However, SCHWABE is silent on "a method, further comprising: d) a loading step for loading the second cryptographic device together with the Java card CAP file, signature file to a storage". Nevertheless, Levy discloses the method in (Para 0029). Therefore, it would have been obvious at the time of the invention was made for one having ordinary skill in the art to incorporate the method of Levy in to SCHWABE invention for use to authenticate the CAP file for authenticity.

14. As per claim 6, SCHWABE discloses "A method for language verification of a Java card CAP file according to Claim 4". However, SCHWABE is silent on "a method, wherein the second cryptographic signature file is cryptographically verifiable, said method further comprising: e) an executing step for executing cryptographic verification said Java card CAP file upon a positive". Nevertheless, Levy discloses the method in (Para 0029). Therefore, it would have been obvious at the time of the invention was

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made for one having ordinary skill in the art to incorporate the method of Levy in to SCHWABE invention for use to authenticate the CAP file for authenticity.

### **Conclusion**

15. Any inquiry concerning this communication from the examiner should be directed to Linh Son whose telephone number is (571)-271-3856.

16. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Kim Y. Vu can be reached at (571)-272-3859. The fax numbers for this group are (703)-872-9306 (official fax). Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (571)-272-2100.

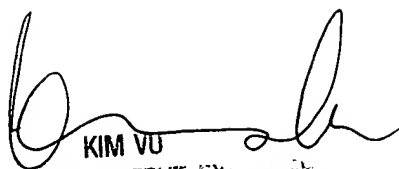
17. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval IPAIR.I system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PMR only. For more information about the PAIR system, see <http://pzr-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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**Linh LD Son**

**Patent Examiner**

  
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